

Converting Colors

CIELCh(49, 52.570, 326.895)

Have a look what the booklet for
CIELCh(49, 52.570, 326.895)
contains.

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Color

CIELCh(49, 52.570, 326.895)

Conversions

Conversions Part 1

Format	Color
Hex	A657A6
RGB	166, 87, 166
RGB Percent	65%, 34%, 65%
CMY	0.3501, 0.6598, 0.3501
CMYK	0.00, 0.48, 0.00, 0.35
HSL	300°, 31%, 50%
HSV	300°, 48%, 65%
XYZ	25.9121, 17.5941, 37.9757
YIQ	119.6270, 21.7250, 41.3170

Conversions

Conversions Part 2

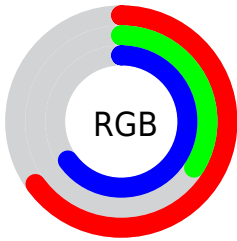
Format	Color
R _Y B	166, 87, 166
Decimal	10901414
CIE _{Lab}	49.00, 44.04, -28.71
CIE _{LCh}	49, 52.570, 326.895
Y _{xy}	17.5941, 0.3180, 0.2159
Android (android.graphics.Color)	4289091494 (0xFFA657A6)
YUV	119.6270, 22.8619, 40.6691
Hunter-Lab	41.9453, 36.8659, -24.3173

Details

The CIELCh color $49, 52.570, 326.895$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $62, 52.786, 140.693$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 52.167, 327.123$, and $29, 52.929, 326.839$ is the 20% darker color. If you saturate the color by 10%, you get $46, 62.043, 327.314$, and if you desaturate by 10%, it is $52, 42.142, 326.422$.

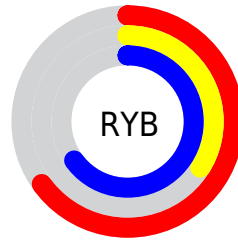
Distribution



Red (65%)

Green (34%)

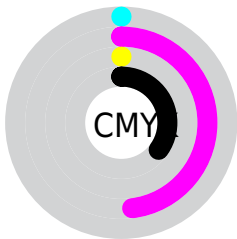
Blue (65%)



Red (65%)

Yellow (34%)

Blue (65%)

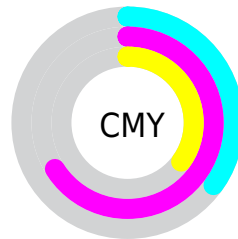


Cyan (0%)

Magenta (48%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (66%)

Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 52.570, 326.895 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 52.570, 326.895 by changing the saturation by 10% instead.


 49, 52.570,
326.895


 49, 52.570,
326.895


 100, 52.570,
326.895


 39, 52.570,
326.895

 69, 52.570,
326.895


 29, 52.570,
326.895

 79, 52.570,
326.895

 19, 52.570,
326.895

 89, 52.570,
326.895

 9, 52.570, 326.895

 99, 52.570,
326.895

 0, 52.570, 326.895

 49, 52.570,

 49, 52.570,

326.895

46, 62.043,
327.314

43, 70.145,
327.664

41, 76.484,
327.931

40, 80.803,
328.110

39, 83.222,
328.209

39, 83.703,
328.229

326.895

52, 42.142,
326.422

56, 31.145,
325.912

60, 19.883,
325.378

65, 8.585, 324.825

69, 2.592, 144.402

74, 13.545,
143.809

78, 24.215,
143.295

83, 34.569,
142.809

■ 87, 44.597,
142.349

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 52.570, 326.895



62, 52.786, 140.693

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 52.570, 326.895



49, 52.570, 16.895



49, 52.570, 146.895



49, 52.570, 196.895

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 52.568, 326.895



78, 19.401, 325.192



41, 47.046, 296.249



40, 13.380, 325.304



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 52.568, 326.895



59, 75.491, 327.328



47, 38.453, 347.557



32, 6.267, 324.915



34, 76.022, 328.229



2, 9.704, 324.435

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46, 35.553, 24.501



55, 53.826, 26.735



62, 36.676, 157.964



32, 3.629, 19.895



30, 68.060, 39.260



1, 5.464, 19.397

Previews

White Background



This preview shows how the CIELCh color 49, 52.570, 326.895 looks on a white background.

Color Contrast Check

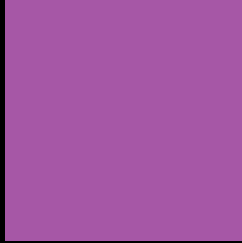
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 52.570, 326.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

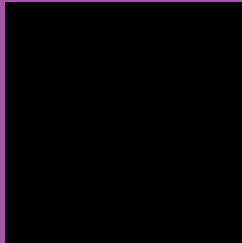
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 52.570, 326.895

Background



This preview shows how black text looks on a background with the CIELCh color 49, 52.570, 326.895.



This preview shows how white text looks on a background with the CIELCh color 49, 52.570, 326.895.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49, 52.570, 326.895

Protanopia

50, 43.577, 285.609

Deuteranopia

49, 27.150, 285.237



Tritanopia
49, 25.513, 12.475

Trichromacy



Original Color
49, 52.570, 326.895

Protanomaly
48, 44.927, 300.062

Deuteranomaly
48, 35.043, 306.282

Tritanomaly
49, 32.466, 346.773

Monochromacy



Original Color
49, 52.570, 326.895

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 20.440, 325.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 52.570, 326.895 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 87, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 87, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 87, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 87, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 52.570, 326.895 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 87, 166) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 87, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 87, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 87, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 87, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 87,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 52.570, 326.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 87, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166, 87,  
166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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